Flight Light Inc.
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95822-3806

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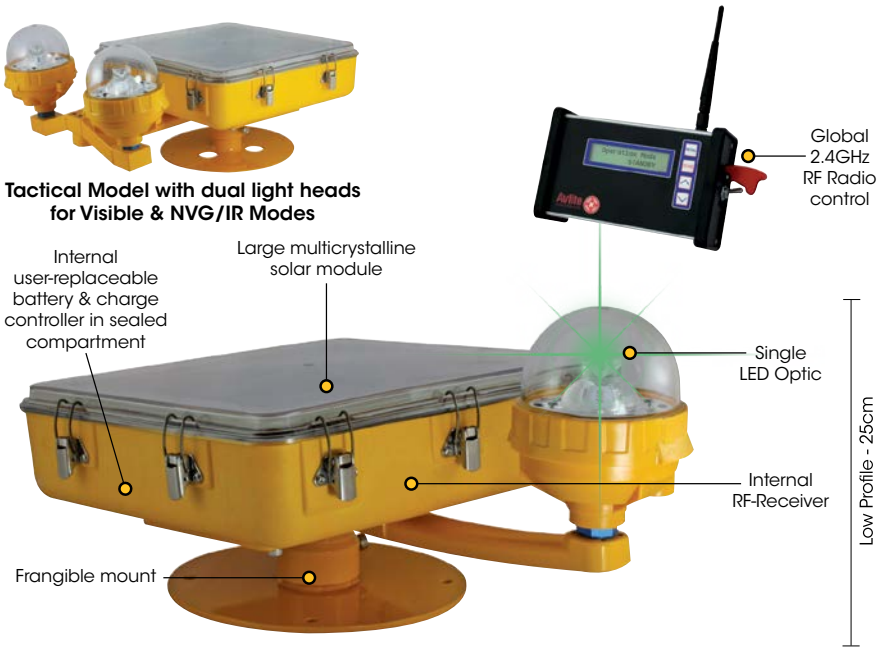
Radio Controlled Solar Heliport Light AV-HL-RF-SOL Avlite

Compliance

- Designed to meet ICAO Annex 14 - Aerodromes, Volume II 'Heliports', Second Edition July 1995. Touch-down and lift-off area perimeter lights - paragraph 5.3.8.21
- Compliance with the applicable requirements of Federal Aviation Administration, Memorandum Engineering Brief 87: Heliport Perimeter Light for Visual Meteorological Conditions Dated January 13, 2012

Features

- Low profile to suit industry requirements
- Over 50 hours of continuous operation at ICAO Annex 14 Touchdown and Lift Off Area Perimeter Lights
- High intensity, energy efficient LEDs
- Solar powered for autonomous operation
- Custom lens optic designed specifically for helipad operations
- Worldwide 2.4GHz encrypted RF radio control
- 3-step intensity adjustment, including temporary high mode and dusk-till-dawn operation in low intensity mode
- Frangible point
- External battery charging port
- Hinged lid allowing fast battery access
- User-replaceable battery
- Lightweight, UV stabilized enclosure
- Optional NVG Mode - Illumination invisible to naked eye to support covert operations



Avlite's helipad light is a solar-powered, wireless controlled, completely self contained LED heliport light designed to meet the standards of ICAO Annex 14 Touchdown and Lift-off perimeter lights and FAA Engineering Brief 87 Heliport Perimeter Light for Visual Meteorological Conditions.

The solar powered helipad light gives over 50 hours of continuous operation at ICAO Annex 14 Touchdown and Lift-off perimeter light intensities.

The helipad light comes ready for operation straight from the box, simply bolt the light to the supplied frangible mount assembly and install.

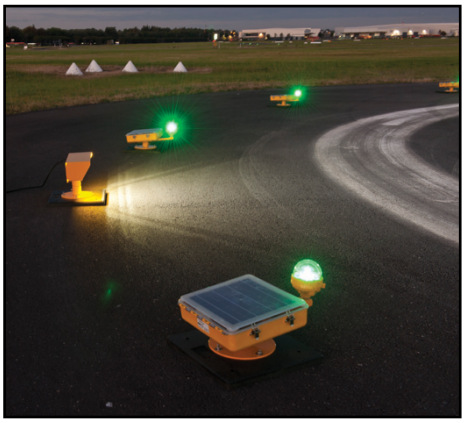
The unit is made from tough, impact resistant polymers in aviation yellow. A premium grade solar module is integrated into the assembly and mounted to collect sunlight. The solar array charges the 16Ah battery during daylight hours.

The unit also comes with an external battery charging port to assist in keeping batteries charged when in storage. This allows fast charging for demanding usage profiles or for poor solar environments.

Avlite's solar powered helipad light utilizes the same controller as Avlite's AV-425-RF and AV-70-RF models which means a single controller can control multiple Avlite fixtures including heliport beacons, taxiway lights, obstruction lights, lighted windsock and other products.

The radio controller is designed to support a number of operational modes including 3-step intensity adjustment, and switching the system between visual and IR.

The solar powered helipad light and other Avlite fixtures may be supplied integrated with a Pilot Activated Lighting Control (PALC) for remote operation of an unmanned heliport.



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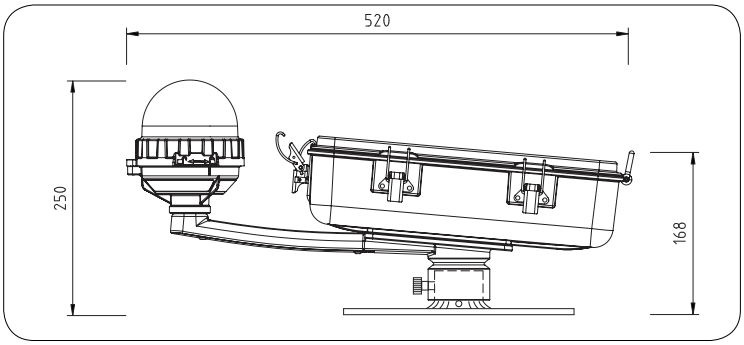
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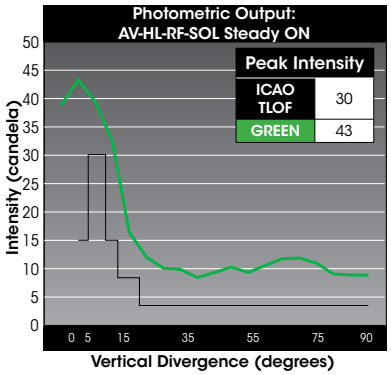
Radio Controlled Solar Heliport Light AV-HL-RF-SOL Avlite

SPECIFICATIONS • *	AV-HL-RF-SOL
Light Characteristics	
Light Source	LED
Available colors	Red, Green, White, Yellow, Amber, Blue
Peak Intensity @ temporary high (cd)	Up to 60cd (green)
Horizontal Output (degrees)	360
Vertical Divergence (degrees)	20° - 90°: 3cd min 13° - 20°: 8cd min 10° - 13°: 15cd min 5° - 10°: 30cd min 2° - 5°: 15cd min
LED Life Expectancy (hours)	>100,000
Electrical Characteristics	
Circuit Protection	Integrated
Operating Voltage (V)	12
Temperature Range	-40 to 80°C
Solar Characteristics	
Solar Module Type	Multicrystalline
Output (watts)	10
Solar Module Efficiency (%)	14
Charging Regulation	Microprocessor controlled
Power Supply	
Battery Type	High Grade NiMH - environmentally friendly
Battery Capacity (Ah)	16
Nominal Voltage (V)	12
Autonomy (hours)	Over 50hrs of continuous operation at ICAO Annex 14 (high intensity) Over 150hrs of continuous operation (medium intensity) Over 500hrs of continuous operation (low intensity)
Radio Controlled	
Frequency	2.4GHz ISM Band
Compliance	FCC / CE
Physical Characteristics	
Body Material	UV stabilized polymer
Light Mount Material	7-stage powder coated aluminium
Lens Material	LEXAN® Polycarbonate – UV stabilized
Lens Diameter (mm/inches)	100 / $3^{7}/_{8}$
Lens Design	Single LED Optic
Mounting	Frangible mount
Height (mm/inches)	250 / $9^{7}/_{8}$
Length (mm/inches)	520 / $20^{1}/_{2}$
Width (mm/inches)	360/ $14^{1}/_{8}$
Mass (kg/lbs)	Approximately 14 / $30^{7}/_{8}$
Product Life Expectancy	Up to 12 years
Environmental Factors	
Humidity	0 to 100%, MIL-STD-810F
Icing	22kg per square inch
Wind Speed	Up to 160kph
Certifications	
CE	EN61000-6-3:1997. EN61000-6-1:1997
Quality Assurance	ISO9001:2008
Waterproof	IP67
Intellectual Property	
Trademarks	AVLITE® is a registered trademark of Avlite Systems
Warranty *	3 year warranty
Options Available	• Avlite Pilot Activated Lighting Control • IR LED

• Specifications subject to change or variation without notice
* Subject to standard terms and conditions

CE













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